Introduction

The following is a summary of anticipated monitoring details that relate to a grazing lease *proposal* associated with Spotted Dog WMA and adjacent private land. This proposal is currently under consideration by the Fish and Wildlife Commission. The lease proposal is intended to manage vegetation in a manner that results in improvements in wildlife habitat. If implemented, monitoring would be used to document specific effects of the grazing treatments on private and WMA lands in a manner that is informative and relatively efficient. This monitoring strategy is tentative, both because of the forthcoming decision by the commission and because various logistics and funding details would need to be worked out if the commission approved the grazing lease proposal. Also, details of this strategy could be adjusted over time to adapt to unanticipated circumstances or to make improvements based on subsequent field experience.

Elk Response

The general approach would be to document elk use of specific areas using cameras that record images at preset times. This would provide a general measure as to the level of elk use during specific seasons as relates to sequences of vegetation management over the 6-year lease period.

- The McQueary Ranch pastures comprise elk winter range. Two of three pastures would be rested and fully available as forage for wintering elk. Images would be recorded approximately December through March to document elk use of all three of these pastures (grazed and rested pastures).
- The WMA pastures occur on elk spring transitional habitat. One of four pastures would be grazed each year during June and July. Images would be recorded during spring green-up, approximately April through mid-June on all four of the pastures (grazed and rested) and the un-grazed adjacent vicinity, also comprising elk transitional habitat.

Short-term Vegetation Response

Conduct annual photo points at pre-established locations (e.g., representative upland, wetland, riparian sites) over the 6-year lease period, emphasizing herbaceous vegetation, ground, and wetland conditions.

- Images would be recorded at the completion of the grazing treatment and one-year post-grazing treatment.
- Each photo point would involve a type of visual meter board at a standard distance for recording current conditions, showing relative scale, and making year-to-year comparisons.

Longer-term Vegetation Response

Bird Baseline and Possible Response

Montana Audubon has expressed an interest in conducting bird surveys of upland and riparian areas
associated with the proposed grazing system. At a minimum, bird surveys would provide an
inventory of bird species using the area. If replicated during the grazing lease period, the bird
surveys may also provide insights about bird composition as relates to grazing treatments or
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